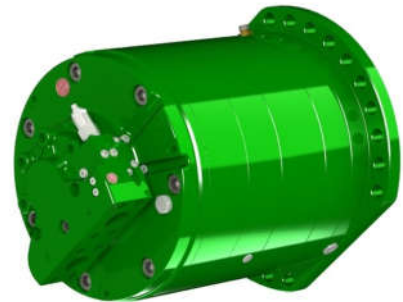


SAI HYDRAULIC MOTORS FAST, SAFE, RELIABLE FREEWHEELING SOLUTIONS



V&A's new swing bridge – Cape Town, South Africa

- **DISPLACEMENT CHANGE 6600cc to 0cc FREEWHEELING**
- **ACCURATE AND SMOOTH FROM CREEPING TO FULL SPEED**
- **SPEED CHANGE DONE 'ON THE FLY'**



SAI -- TS8DF

Application in Focus: V&A Swing Bridge Cape Town - South Africa

The Victoria & Alfred Waterfront in Cape Town is situated on the Atlantic shore, Table Bay Harbour, the City of Cape Town and Table Mountain. The Waterfront attracts more than 23 million visitors per year.

SAI Motors South Africa was chosen to supply the main slew drive motors for the new **Swing Bridge**, due for commissioning in Q2 of 2019.

The bridge will be powered by 4 X **TS8DF6600 - 0cc** motors working in maximum displacement to power the bridge and shifting to freewheeling when stationary or in an emergency if a ship collision is detected.

The performance of the **SAI** motor allowed the bridge designer to maximise the controllability and safety features of the bridge, due to our ability to switch to freewheeling while at full power. The **failsafe** design of the **SAI** motor has the added safety feature of being able to **freewheel** the motor without any pilot signal, consuming almost no power.

The **TS8D** motor offers smooth and controllable operation from very low speeds, all the way to its maximum speed. This was a highly attractive feature for the bridge designer, as well as our high efficiency and safe and reliable freewheeling ability.

Discover more about our solutions:

TS8 TECHNICAL CATALOGUE:

<http://www.saihydraulics.com/System/11809/179241.15%20TS8WF%20TS8DWF%20%20TS8VWF.pdf>

FREEWHEELING INSTRUCTIONS:

<http://www.saihydraulics.com/System/13038/FREEWHEELING.pdf>

